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MONTANA OIL AND GAS STATISTICAL BULLETIN

PERIODICALS
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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIX, No. 4 APRIL, 1971

Production of crude oil and condensate from the oil and gas areas of Montana for the month of April, 1971 averaged 95,998 barrels daily, a decrease of 2,637 barrels from the average March, 1971 production of 98,635.

The nine refineries in the state processed 113,345 barrels of crude oil daily for the month of April, 1971, a decrease of 13,880 barrels from the 127,225 barrels processed daily during the month of March, 1971.

During April 18 wells were completed, 3 oil, 0 gas and 15 dry holes.

During April the commission issued 26 permits to drill new wells, an increase of 6 from the 20 permits issued during March.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF APRIL, 1971

IN STORAGE APRIL 1st	
By Producers	334,585
By Transporters	1,128,200
By Refiners	766,138
TOTAL STORAGE	2,228,923
Produced in Montana During Month	2,879,926
Imported During Month	2,675,655
TOTALS	7,784,504
DISPOSITION:	
Refined in Montana	3,400,353
Exported	1,875,671
Used for Fuel or Lost	(245)
TOTAL	5,275,779
IN STORAGE APRIL 30th	
By Producers	320,948
By Transporters	1,350,358
By Refiners	837,419
TOTAL STORAGE	2,508,725

NATURAL GAS WITHDRAWALS IN MONTANA

Month of April, 1971

Field	M. Cu. Ft.
Bell Creek	233,760
Big Coulee	84,228
Blackjack	75,621
Bowdoin	138,395
Bowes	30,153
Cabin Creek	94,331
Cedar Creek	189,816
Cut Bank (including Reagan)	1,114,468
Dry Creek	36,538
Elk Basin	75,535
Flat Coulee	23,207
Gold Butte	3,532
Grandview	37,873
Hardin	2,593
Keith Block	109,813
Kevin Sunburst	41,091
Lake Basin	83,123
Middle Butte	3,176
Mt. Lilly	21,442
Pine	53,058
Plevna	5,545
Tiger Ridge—Squaw Coulee	105,513
Trail Creek	29,998
Utopia	59,094
Whitlash	117,695
Miscellaneous	230,256
TOTAL	2,999,854

Total Withdrawals for April, 1970 were 3,024,960

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PRODUCERS REPORT — MONTH OF APRIL, 1971

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	390	1,783	—	2,127	—	46
1	Bainville	1	3,234	4,328	—	4,764	—	2,798
1	Bannatyne	1	573	771	771	—	—	573
—	Bascom	—	165	—	—	—	—	165
3	Bear's Den	4	1,378	769	—	—	—	2,147
45	Bell Creek	351	36,278	482,404	482,150	—	222	36,310
1	Benrud	1	120	49	—	—	—	169
2	Benrud East	2	1,151	12,678	12,409	—	—	1,420
1	Benrud Northeast	1	761	2,301	2,171	—	—	891
—	Berthelote	—	69	190	—	—	22	237
5	Big Wall	20	1,969	8,646	8,356	—	—	2,259
5	Blackfoot	6	959	3,951	3,730	—	—	1,180
2	Border	2	792	477	—	399	—	870
1	Bowes	51	8,483	11,523	11,598	—	—	8,408
1	Bradley	1	257	605	739	—	—	123
1	Brady	1	296	232	232	—	—	296
4	Brorson-Madison	4	1,216	4,640	—	5,003	—	853
6	Brorson-Red River	6	5,181	15,368	—	14,946	—	5,603
3	Brorson-Red River South	3	2,293	9,524	—	9,467	—	2,355
6	Brush Lake	6	1,625	39,826	39,948	—	—	1,503
2	Cabin Creek	141	—	287,633	287,633	—	—	—
1	Canal	1	677	11,342	—	11,456	—	563
12	Cat Creek	59	1,867	16,353	15,303	503	—	2,414
1	Clark's Fork	1	56	246	—	189	—	113
1	Clark's Fork South	1	481	350	—	439	—	392
3	Conrad South	3	173	985	1,058	—	—	100
2	Cow Creek	2	404	2,487	—	2,395	—	496
1	Culbertson	1	195	906	—	395	—	706
2	Cupton	2	2,135	1,510	—	1,943	—	1,702
140	Cut Bank	851	55,504	469,818	470,511	1,456	63	53,292
—	Dean Dome	—	65	—	—	—	—	65
1	Deer Creek	1	557	1,289	1,341	—	—	505
1	Delphia	1	376	784	—	829	—	331
1	Devil's Basin	1	671	98	98	—	—	671
2	Dwyer	14	4,163	23,752	24,278	—	—	3,637
3	Elk Basin	52	934	149,205	149,247	—	—	892
5	Elk Basin Northwest	9	8,567	7,855	7,835	—	—	8,587
7	Fairview	10	7,344	42,242	10,377	30,909	—	8,300
2	Fertile Prairie	2	1,091	1,302	—	1,646	—	747
9	Flat Coulee	27	5,554	8,296	8,675	—	—	5,175
45	Flat Lake	62	5,951	53,902	52,818	—	571	6,464
6	Flat Lake South	6	1,270	10,495	10,754	—	—	1,011
1	Ft. Gilbert	1	561	15,645	—	15,841	—	365
1	Frannie	1	—	1,350	1,350	—	—	—
10	Fred and George Creek	31	2,466	27,942	28,677	—	—	1,731
—	Gage	—	31	—	—	—	—	31
3	Gas City	17	7,920	24,092	20,510	5,125	—	6,377
2	Girard	2	641	4,456	—	4,161	—	936
11	Glendive	15	3,442	26,555	26,433	—	—	3,564
29	Goose Lake	34	6,455	37,883	37,648	—	—	6,690
9	Graben Coulee	19	3,962	4,622	2,376	1,867	—	4,341
2	Gypsy Basin	2	944	798	798	—	—	944
1	Hay Creek—Mission Canyon	1	194	1,746	1,833	—	—	107
2	Hay Creek—Red River	2	798	8,381	8,662	—	—	517
5	Hiawatha	5	2,719	7,282	7,094	—	—	2,907
1	Hibbard	1	549	481	—	425	—	605
1	Injun Creek	1	316	760	—	—	—	1,076
6	Ivanhoe	12	1,837	5,135	5,184	—	—	1,788
—	Jim Coulee	—	102	84	—	—	—	186
4	Keg Coulee	18	3,775	12,027	12,653	—	—	3,149
2	Keg Coulee North	2	1,278	531	1,370	—	—	439
1	Kelley	5	319	4,249	4,069	—	—	499
75	Kevin Sunburst	336	8,152	26,020	22,997	3,019	—	8,156
8	Laird Creek	10	495	3,932	—	3,565	—	862
2	Leary	2	1,539	2,888	—	2,833	25	1,569
1	Little Beaver	23	—	31,387	31,387	—	—	—
2	Little Beaver East*	12	2,125	14,327	14,100	—	—	2,352
1	Little Wall Creek	1	594	2,306	2,385	—	—	515
1	Lodge Grass	1	502	916	—	607	—	811
3	Lookout Butte (Coral Creek)	30	1,190	69,789	70,141	—	—	838
2	Mason Lake	2	566	450	676	—	—	340
1	Melstone	2	1,114	1,576	2,093	—	—	597
1	Mineral Bench	1	263	1,041	1,072	—	—	232
2	Miner's Coulee	3	107	706	—	706	—	107
11	Monarch	14	4,667	17,107	13,421	3,924	—	4,429
2	Otis Creek	2	602	5,945	—	6,121	—	426
6	Outlook	8	6,841	22,173	22,389	—	—	6,625
1	Outlook South	1	1,296	1,071	1,745	—	—	622
2	Outlook West	2	1,402	2,801	2,658	—	—	1,545
1	Pennel-Lookout Butte	112	—	130,445	130,445	—	—	—
4	Pine	112	17,478	258,460	258,409	—	—	17,529
61	Pondera	260	5,976	25,469	24,903	—	—	6,542
8	Poplar	63	8,769	52,611	53,226	—	1	8,153
3	Poplar Northwest	3	1,409	1,204	541	—	—	2,072
1	Prairie Elk	1	346	20	—	—	—	366
4	Pritchard Creek	4	167	1,763	1,763	—	—	167
4	Ragged Point	12	2,803	5,387	6,255	—	—	1,935
2	Rattlesnake Coulee	2	453	584	601	—	—	436
2	Reagan	45	444	18,717	18,714	—	—	447
1	Red Creek	21	—	16,893	16,893	—	—	—
1	Red Fox	1	355	850	912	—	—	293
1	Redstone	1	585	2,567	2,853	—	—	299
1	Repeat	1	540	1,967	—	1,937	—	570
5	Reserve	5	—	6,463	6,463	—	—	—
1	Richey	1	547	865	1,083	—	—	329
1	Richey Southwest	6	96	3,084	2,793	—	—	387
—	Rough Creek	—	266	—	—	—	—	266
1	Rush Mountain	1	595	2,887	2,859	—	—	623
2	Salt Lake	2	639	4,035	—	4,415	—	259
5	Sand Creek	8	4,536	6,500	6,412	—	—	4,624
—	Shotgun Creek	—	248	—	—	—	—	248
—	Sidney	—	150	—	—	—	—	150
1	Snyder	4	712	721	—	1,204	—	229
5	Soap Creek	15	2,521	2,940	—	2,559	—	2,902
1	Spring Lake	2	1,724	2,541	—	2,649	—	1,616
1	Stensvad	5	3,344	39,624	39,212	—	—	3,756
10	Sumatra	74	12,920	63,800	71,214	—	—	5,506
5	Tule Creek	6	3,325	27,648	27,209	—	—	3,764
2	Tule Creek East	2	570	8,929	8,872	—	—	627
2	Tule Creek South	3	1,169	3,952	—	4,355	13	753
2	Vida	2	955	1,895	—	1,987	—	863
3	Volt	4	2,940	12,186	13,513	—	—	1,613
2	Weed Creek	3	544	2,559	2,745	—	3	355
3	Weldon	8	1,362	13,899	14,493	—	—	768
1	West Butte	1	—	2,429	—	2,429	—	—
17	Whitlash	43	7,162	12,446	12,225	—	—	7,383
—	Whitlash West	—	447	—	—	—	—	447
4	Willow Creek North	4	1,457	5,472	5,954	—	—	975
2	Wills Creek South	2	—	3,646	3,646	—	—	—
6	Wolf Springs	9	2,793	3,996	3,308	—	—	3,481
2	Woodrow	2	377	2,257	2,393	—	—	241
5	Wright Creek	5	2,504	3,250	2,562	—	—	3,192
1	Wildcat, Blaine Cty	1	534	123	—	500	—	157
—	Wildcat, Carbon Cty	—	310	—	—	—	—	310
—	Wildcat, Daniels Cty	—	174	—	—	—	—	174
1	Wildcat, Fallon Cty	3	1,870	8,096	—	9,147	—	819
2	Wildcat, Glacier Cty	5	1,187	993	263	—	—	1,917
1	Wildcat, Liberty Cty	1	487	56	—	206	—	337
3	Wildcat, Richland Cty	3	998	24,624	—	24,716	—	906
1	Wildcat, Roosevelt Cty	1	803	11,088	—	10,376	—	1,515
1	Wildcat, Toole Cty	1	—	617	—	617	—	—
743	Total	3,200	334,585	2,879,927	2,688,487	204,157	920	320,948

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1970	37,878,697	103,777	37,852,275	103,705
First Quarter, 1971	8,927,663	99,196	8,923,130	99,146
April, 1971	2,879,927	95,998	2,982,643	96,421

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total Oil In Storage‡
December, 1970	336,076	1,501,692	1,002,035	2,839,803
March, 1971	334,585	1,128,200	766,138	2,228,923
April, 1971	320,948	1,350,358	837,419	2,508,725

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT — MONTH OF APRIL, 1971

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Trnck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—									
Western Crude Oil, Inc.			2,127				2,127		
BAINVILLE—									
Rock Island Oil & Ref. Co.			4,764				4,764‡		
BELL CREEK—Pipeline	63,835	482,150					328,819	217,166	
BIG WALL—									
Continental Pipeline Co.		8,356				8,356			
BLACKFOOT—									
Camerland Cardinal Corp.		3,730						3,730	
BORDER—Permian Corp.			399					399	
BOWES—Texaco Inc.		11,598				11,598			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			29,416					29,416	
BRUSH LAKE—Portal Pipeline Co.		38,155					38,155		
CABIN CREEK & OTHERS—*									
Butte Pipeline Co.	316,993	697,437	18,329	714,256			1,412,051		334,964
Shell Pipeline Co.	4,851	262,896			(1,996)			264,639	5,104
	321,844	960,333	18,329	714,256	(1,996)		1,412,051	264,639	340,068
CANAL—Rock Island Oil & Ref. Co.			11,456				11,456		
CAT CREEK—									
Continental Pipeline Co.		15,303				15,303			
Truck			503			503			
		15,303	503			15,806			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			628				628		
COW CREEK—West. Crude Oil Corp.			2,395				2,395		
CULBERTSON—Spruce Oil Co.			395				395		
CUT BANK—									
Continental Pipeline Co.			11,275	361,446				372,721	
Phillips Petroleum Co.	60,566	183,738			1,652	132,760		59,949	49,943
Texas Pipeline Co.	15,294	55,012		69,176	139			123,984	15,359
Union Oil Co.	67,424	66,400		9,032	1,184	9,032			132,640
Western Oil Trans. Co.		64,993						64,993	
Western Oil Trans. Co. (Moulton)		87,208						87,208	
	143,284	457,351	11,275	439,654	2,975	141,792		708,855	197,942
DELPHIA—Truck			829			829			
DWYER—Portal Pipeline Co.		24,308					24,308		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		156,672				156,672			
FAIRVIEW—Fairview Pipeline Co.		10,375					10,375		
Rock Island Oil & Ref. Co.			30,909				30,909		
		10,375	30,909				41,284		
FLAT COULEE—									
Camerland Cardinal Corp.		7,993				7,993			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		58,765					58,765		
FT. GILBERT—									
Western Crude Oil, Inc.			15,841				15,841		
FRANNIE—Interstate Pipeline Co.		1,350					1,350		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	12,464	31,635				31,697		411	11,991
GIRARD—Rock Island Oil & Ref. Co.			4,161				4,161		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	5,129	27,644			51			27,453	5,269
GOOSE LAKE—									
Portal Pipeline Co.		34,228					34,228		
HAY CREEK—									
Fairview Pipeline Co.		10,495					10,495		
HIAWATHA—									
Continental Pipeline Co.		6,252					6,252		
HIBBARD—Truck			425			425			
IVANHOE—									
Continental Pipeline Co.		5,184				5,184			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		14,695				14,695			
KELLEY—									
Continental Pipeline Co.		4,069				4,069			
KEVIN SUNBURST—									
Big West Oil Co.	17,453	12,800				14,870			15,383
Homestake Oil & Gas Co.	2,651	2,039							4,690
Texas Pipeline Co.	7,360	11,122			57			11,139	7,286
	27,464	25,961			57	14,870		11,139	27,359
LEARY—Permian Corp.			2,833				2,833		
LITTLE WALL CREEK—									
Continental Pipeline Co.		2,385					2,385		
LODGE GRASS—Permian Corp.			607			607			
MASON LAKE—									
Continental Pipeline Co.		676				676			
MELSTONE—									
Continental Pipeline Co.		2,089				2,089			
OTIS CREEK—									
Western Crude Oil, Inc.			6,121				6,121		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		26,792					26,792		
PONDERA—Phillips Petr. Co.	33,862	27,858		15,082	366	25,133			51,303
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH AND VOLT—									
East Poplar Gathering System	15,492	78,520			79			79,245‡	14,688
RAGGED POINT—									
Continental Pipeline Co.		6,012				6,012			
RED CREEK—									
Western Oil Transportation Co.		19,175						19,175	
RESERVE—Portal Pipeline Co.		6,495					6,495		
RUSH MOUNTAIN—									
Sinclair Refining Co.		2,859					2,859		
SALT LAKE—									
Rock Island Oil & Ref. Co.			4,415				4,415		
SNYDER—Permian Corp.			1,204			1,204			
SOAP CREEK—Permian Corp.			2,559				2,559		
SPRING LAKE—									
Rock Island Oil. & Ref. Co.			2,649				2,649		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	500,450	110,633		1,868,762	(3,207)	88,249		1,696,605	698,198
TULE CREEK—									
Spruce Oil Corp.	4,376	35,244				36,080			3,540
Permian Corp.			4,355			4,355			
	4,376	35,244	4,355			40,435			3,540
WEED CREEK—									
Continental Pipeline Co.		2,745				2,745			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		12,912				9,000		3,912	
WILLOW CREEK NORTH—									
Continental Pipeline Co.		5,954						5,954	
WOLF SPRINGS—									
Continental Pipeline Co.		3,308				3,308			
WILDCAT WELLS—Truck			45,562				45,562		
TOTALS	1,128,200	2,740,259	204,157	3,037,754	(1,675)	593,444	2,100,144	3,068,099	1,350,358

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon & Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF APRIL, 1971

Field	Big West Oil Co	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Sprace Oil Co.	Westco Ref. Co.	Total
Big Wall	.....	8,356	.....	.....	.....	.....	.....	.....	.....	8,356
Bowes	.....	.....	44,419	.....	.....	.....	.....	.....	.....	44,419
Cat Creek	.....	6,893	.....	20,034	.....	11	.....	.....	.....	26,938
Cut Bank	50,500	.....	.....	.....	.....	.....	117,105	.....	37,390	204,995
Delphia	.....	.....	.....	.....	.....	7	.....	.....	.....	7
Elk Basin	.....	61,698	.....	40,635	54,339	.....	.....	.....	.....	156,672
Flat Coulee	.....	.....	.....	.....	.....	.....	.....	.....	7,993	7,993
Fred & George Creek	31,697	.....	.....	.....	.....	.....	.....	.....	.....	31,697
Hibbard	.....	.....	.....	.....	.....	5	.....	.....	.....	5
Ivanhoe	.....	5,184	.....	.....	.....	.....	.....	.....	.....	5,184
Keg Coulee	.....	6,297	.....	8,398	.....	.....	.....	.....	.....	14,695
Kelley	.....	.....	.....	.....	4,069	.....	.....	.....	.....	4,069
Kevin Sunburst	14,870	.....	.....	.....	.....	.....	.....	.....	.....	14,870
Lodge Grass	.....	607	.....	.....	.....	.....	.....	.....	.....	607
Mason Lake	.....	676	.....	.....	.....	.....	.....	.....	.....	676
Melstone	.....	.....	.....	2,089	.....	.....	.....	.....	.....	2,089
Pondera	.....	.....	.....	.....	.....	.....	26,396	.....	.....	26,396
Ragged Point	.....	.....	.....	6,012	.....	.....	.....	.....	.....	6,012
Snyder	.....	1,204	.....	.....	.....	.....	.....	.....	.....	1,204
Sumatra & Stensvad	.....	16,865	.....	32,172	39,212	.....	.....	.....	.....	88,249
Tule Creek	.....	.....	.....	.....	.....	.....	.....	73,512	.....	73,512
Weed Creek	.....	.....	.....	.....	2,745	.....	.....	.....	.....	2,745
Wolf Springs	.....	.....	.....	.....	3,308	.....	.....	.....	.....	3,308
Total Montana Oil	97,067	107,780	44,419	109,340	103,673	23	143,501	73,512	45,383	724,698
Canadian Oil Imported	.....	368,535	.....	235,026	119,017	.....	.....	.....	.....	722,578
Wyoming Oil Imported	.....	731,924	.....	276,307	944,846	.....	.....	.....	.....	1,953,077
Total Montana, Canadian, and Wyoming Oil	97,067	1,208,239	44,419	620,673	1,167,536	23	143,501	73,512	45,383	3,400,353

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1970	24,878	25,744	65,351	115,973
April, 1970	21,395	26,282	55,783	103,460
April, 1971	24,156	24,086	65,103	113,345

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
21.45%	22.20%	56.35%
20.68%	25.40%	53.92%
21.31%	21.25%	57.44%